Author index

Allen, J.K.F., see Graham, W.F.
Allen, K.J.F., see Mason, R.T.
Anderson, W.P. Comparison of initial responses to renal artery stenosis in pentobarbitone-anaesthetized and conscious dogs 515
Anderson, W.P. and Casley, D.J. Role of the autonomic nervous system in the acute responses to renal artery pressure reduction in conscious dogs 311
Anderson, W.P., see Clappison, B.H.
Atef, M. and Sokkar, S.M. Testosterone-antibiotic effectiveness on *Staphylococcus aureus* infected rats 543
Atkins, D., Waller, P.C. and Martin, T.J. Rat osteogenic sarcoma cells: modulation of hormone stimulated cyclic amp production by prostaglandin antagonists and biosynthesis inhibitors 31
Ayotte, B., see Rabkin, S.W.
Azuma, T., see Chiba, S.

Ban, T., see Sada, H.
Banks, R.A., Beilin, L.H. and Soltys, J.S. The effects of meclofenamate on renal and peripheral vascular beds in conscious rabbits 531
Barden, A., see Vandongen, R.
Barer, G.R., see Suggett, A.J.
Barkla, D.H., see Tutton, P.J.M.
Bass, L. and Winkler, K. Method of determining intrinsic hepatic clearance from the first-pass effect 339
Baxter, C.R., see Horvath, J.S.
Beilin, L.H., see Banks, R.A.
Bobik, A., see Esler, M.
Bogaievsky, D., see Tsoucaris-Kupfer, D.
Bohidar, N.R., see Scriabine, A.
Boismare, F. and Lefrançois, J. Haemodynamic effects of nicergoline in man at rest and during exercise 105
Boissier, J.R., see Lhoste, F.
Boom, M. van and Saxena, P.R. Systemic and regional haemodynamics in experimental renal hypertension in conscious rabbits 567
Boura, A.L.A., see Thomas, M.
Boyce, E.S., see Larkin, H.
Boyd, G.W. The patho-physiology of chronic hypertension: a hypothesis 541

Brooks, P.M., see Sharma, J.N.
Buchanan, W.W., see Sharma, J.N.

Carlton, M., see England, J.D.F.
Casley, D.J., see Anderson, W.P.
Casley, D.J., see Clappison, B.H.
Catanzaro, D.F., see Morris, B.J.
Cauvin, C.A., see Kirkendol, P.L.
Charlwood, R.A., Handberg, G.M. and Pennefather, J.N. A study of the effects of steroids on α-adrenoceptor-mediated contraction of the rat vas deferens 11
Chiba, S., Furukawa, Y. and Kobayashi, M. Differential chronotropic and inotropic effects of 2-nicotinamidoethyl nitrate (SG-75) in the dog isolated atrium 205
Chiba, S., Ohhashi, T. and Azuma, T. Comparison of the vascular effects of adenosine, AMP, ADP and ATP on isolated blood-perfused internal and external carotid arteries of dogs 195
Clappison, B.H., Millar, J.A., Casley, D.J., Anderson, W.P. and Johnston, C.I. Renal, adrenal and vascular changes during inhibition of converting enzyme with captopril 493
Clarke, A.C., see Lee, S.P.
Clementi, W.A., see Talseth, T.
Coghlan, J.P., Denton, D.A., Graham, W.F., Humphrey, T.J., Mason, R.T., Schnieder, E.G., Scoggins, B.A. and Whitworth, J.A. Effect of ACTH administration on the haemodynamic response to arginine-vasopressin in sheep 559
Coghlan, J.P., see Graham, W.F.
Coghlan, J.P., see Mason, R.T.
Csicsmann, J., see Mendelsohn, F.A.O.

De Guia, D. Mendlowitz, M., Vlachakis, N.D., Gitlow, S.E. and Nissenbaum, M. Tritium excretion after intravenous administration of tritium labelled adrenaline and noradrenaline and digital vascular reactivity to adrenaline and noradrenaline in normotensive and labile hypertensive subjects 113
Denton, D.A., see Coghlan, J.P.
Denton, D.A., see Graham, W.F.
Denton, D.A., see Mason, R.T.
Dick, W.C., see Sharma, J.N.
Dietz, R., see Schömig, A.
Doyle, A.E. and Duffy, S.G. Sodium balance and plasma renin activity during the development of two-kidney Goldblatt hypertension in rats 293
Doyle, A.E., see Wiley, J.S.
Drüeke, T., see Lhoste, F.
Duffy, S.G., see Doyle, A.E.
Duggin, G., see Horvath, J.S.
Dusting, G.J. and Mullins, E.M. Stimulation by angiotensin of prostacyclin biosynthesis in rats and dogs 545

Einstein, R. and Goodman, A.H. Prostaglandins in the control of blood flow in canine skeletal muscle 129

England, J.D.F., Simons, L.A., Gibson, J.C. and Carlton, M. The effect of metoprolol and atenolol on plasma high density lipoprotein levels in man 329
Eriksson, B-M., see Watson, R.D.S.
Esler, M., Leonard, P., Kelleher, D., Jackman, G., Bobik, A., Skews, H., Jennings, G. and Korner, P. Assessment of neuronal uptake of noradrenaline in humans: defective uptake in some patients with essential hypertension 535

Faris, I.B., Iannos, J., Jamieson, G.G. and Ludbrook, J. Comparison of methods for eliciting the baroreceptor-heart rate reflex in conscious rabbits
Fei, D.T., see Mason, R.T.
Friedman, J. and Meares, R. Tobacco smoking and cortical evoked potentials: an opposite effect on auditory and visual systems 549
Furukawa, Y., see Chiba, S.

Gallery, E.D.M., see Larkin, H.
Gibson, J.C., see England, J.D.F.
Gitlow, S.E., see De Guia, D.
Goldie, R.G. Effect of cortisol-induced inhibition of extraneuronal uptake on responses to isoprenaline in the kitten 325
Goodman, A.H., see Einstein, R.
Graham, W.F., Allen, J.K.F., Coghlan, J.P., Denton, D.A., Humphrey, T.J., Scoggins, B.A. and Whitworth, J.A. Haemodynamic changes in ACTH- induced hypertension in sheep 569
Graham, W.F., see Mason, R.T.
Graham, W.P., see Coghlan, J.P.
Gross, F., see Schömig, A.
Gyory, A.K., see Larkin, H.

Hanasaki, K., see Sugimoto, J.
Handberg, G.M., see Charlwood, R.A.
Horvath, J.S., Baxter, C.R., Duggin, G. and Tiller, D.J. The effect of intravenous administration of GABA and brain extracts on blood pressure in the rat 481
Hua, A.S.P., see Walker, R.G.
Humphrey, T.J., see Coghlan, J.P.
Humphrey, T.J., see Graham, W.F.
Hunyor, S.N., see Larkin, H.
Hutchinson, J.S. and Mendelsohn, F.A.O. Hypotensive effects of captopril administered centrally in intact conscious spontaneously hypertensive rats and peripherally in anephric anaesthetized spontaneously hypertensive rats 555
Hutchinson, J.S., see Mendelsohn, F.A.O.
Hutchinson, J.S., see Wiley, J.S.

Iannos, J., see Faris, I.B.

Jackman, G., see Esler, M.
Jamieson, G.G., see Faris, I.B.
Jennings, G., see Esler, M.
Johnston, C.I., see Clappison, B.N.

Johnston, C.I., see McGrath, B.P.

Kelleher, D., see Esler, M.
Kim, M.E. and Lin, Y.C. Determination of catheter wall heat transfer in cardiac output measurement by thermodilution 383
Kincaid-Smith, P., see Walker, R.G.
Kincaid-Smith, P., see Walter, N.M.A.
Kirkendol, P.L. and Cauvin, C.A. The hypotensive response to compound 48/80 in normotensive and hypertensive rats 575
Kirkendol, P.L., Pearson, J.E. and Robie, N.W. The cardiac and vascular effects of sodium glutamate 557
Kirkpatrick, C.T., Morrow, R.J. and Tomita, T. The contractile response of smooth muscle to immersion in hypertonic solutions 147
Kobayashi, M., see Chiba, S.
Korczyn, A.D., see Ohry, A.
Korner, P.I. The present status of the autoregulation theory of the parthogenesis of hypertension 521
Korner, P., see Esler, M.

Larkin, H., Gallery, E.D.M., Hunyor, S.N., Gyory, A.K. and Boyce, E.S. Haemodynamics of hypertension in pregnancy assessed by M-mode echocardiography 463
Larno, S., see Lhoste, F.
Lawrence, C.H., see Morris, B.J.
Lee, S.P., Lim, T.H., Pybus, J. and Clarke, A.C. Tissue distribution of orally administered bismuth in the rat
Lefrançois, J., see Boismare, F.
Leonard, P., see Esler, M.
Lhoste, F., Drücke, T., Larno, S. and Boissier, J.R. Cardiac interaction between parathyroid hormone, β-adrenoceptor agents, and verapamil in the guinea-pig *in vitro* 119
Li, D.M.F. The lack of β-adrenoceptor involvement in the cardiac action of Δ^1-Tetrahydrocannabinol in rats 23
Littler, W.A., see Watson, R.D.S.
Lim, T.H., see Lee, S.P.
Lin, Y.C., see Kim, M.E.
Ludbrook, J., see Faris, I.B.
Ludbrook, J., Marcia, G. and Zanchetti, A. Does the baroreceptor-heart rate reflex indicate the capacity of the arterial baroreceptors to control blood pressure? 499
Ludden, C.T., see Scriabine, A.
Lüth, J.B., see Schömig, A.

Majewski, H., see Songkittiguna, P.
Marcia, G., see Ludbrook, J.
Martin, T.J., see Atkins, D.
Mason, R.T., Allen, K.J.F., Coghlan, J.P., Denton, D.A., Fei, D.T., Graham, W.F., Scoggins, B.A. and Stewart, K.W. ACTH hypertension modifies the haemodynamic effects of prostacyclin infusions in sheep 469

Mason, R.T., see Coghlan, J.P.
Matthews, P.G., see McGrath, B..
Meares, R., see Friedman, J.
Medgett, I.C., McCulloch, M.W., Rand, M.J. and Story, D.F. Facilitation of sympathetic transmission by prejunctional β-adrenoceptors in cardiac and vascular tissues 573
Mendelsohn, F.A.O. Different potencies of [ASP^1, ILE^5]- and [ASN^1, VAL^5]-angiotensin II in stimulating aldosterone production from rat adrenal zone glomerulosa cells *in vitro* 199
Mendelsohn, F.A.O. Failure of suppression of intrarenal angiotensin II in the contralateral kidney of one-clip two-kidney hypertensive rats 219
Mendelsohn, F.A.O., Hutchinson, J.S. and Csicsmann, J. Angiotensin converting enzyme in the brain of spontaneously hypertensive rats 551
Mendelsohn, F.A.O., see Hutchinson, J.S.
Mendelsohn, F.A.O., see Wiley, J.S.
Mendlowitz, M., see De Guia, D.
Millar, J.A., see Clappison, B.H.
Mohammed, F.H., see Suggett, A.J.
Monaghan, J.C., see Stokes, G.S.
Morris, A.L., see Rabkin, S.W.
Morris, B.J., Lawrence, C.H. and Catanzaro, D.F. Activation of plasma prekallikrein and inactive renin by puff adder venom 563
Morrow, R.J., see Kirkpatrick, C.T.
Moulds, R.F.W. Reduced responses to noradrenaline of isolated digital arteries from hypertensives 503
Moulds, R.F.W., see Stevens, M.J.
Mullins, E.M., see Dusling, G.J.
MacCarthy, E.P., see Stokes, G.S.
McCulloch, M.W., see Medgett, I.C.
McGrath, B.P., Matthews, P.G. and Johnston, C.I. Acute changes in blood pressure and vasoactive hormones after captopril in hypertensive patients 487
McNay, J.L., see Talseth, T.

Nissenbaum, M., see De Guia, D.

Oates, H.F. and Stoker, L.M. Haemodynamic interactions between α- and β-adrenoceptor antagonists in conscious or anaesthetized rats 231
Oates, H.F., Stoker, L.M. and Stokes, G.S. Profile of a new prazosin congener, BL-511A. Studies in the rat 1
Oates, H.F., see Stokes, G.S.
Ohhashi, T., see Chiba, S.
Ohry, A., Rabinowitz, R. and Korczyn, A.D. Serum dopamine β-hydroxylase (DβH) levels during tilting in patients with spinal cord injuries 367
Oshita, S., see Sada, H.
Osuide, G. and Wambebe, C. Antagonism of pentobarbitone sleep by dopamine, levodopa and apomorphine in chicks 237

Pearson, J.E., see Kirkendol, P.L.
Pennefather, J.N., see Charlwood, R.A.
Pybus, J., see Lee, S.P.

Rabinowitz, R., see Ohry, A.
Rabkin, S.W., Morris, A.L., Sharma, G.P. and Ayotte, B. Comparison of haemodynamic responses to positive-end-expiratory ventilation and pericardial effusion in dogs 183
Rand, M.J., see Medgett, I.C.
Rand, M.J., see Songkittiguna, P.
Roberts, M.B., see Wong, C.-L.
Robie, N.W., see Kirkendol, P.L.
Russo, H.F., see Scriabine, A.

Sada, H., Ban, T. and Oshita, S. Effects of mexiletine on transmembrane action potentials as affected by external potassium concentration and by rate of stimulation in guinea-pig papillary muscles 523
Satoh, K., Yanagisawa, T. and Taira, N. Mechanisms underlying the cardiovascular action of a new dihydropyridine vasodilator, YC-93
Saxena, P.R., see Boom, M. van
Schmitt, H., see Tsoucaris-Kupfer, D.
Schnieder, E.G., see Coghlan, J.P.
Schömig, A., Szokol, M., Dietz, R., Lüth, J.B. and Gross, F. Fluid and salt intake during the development of renal hypertension in rats 169
Scoggins, B.A., see Coghlan, J.P.
Scoggins, B.A., see Graham, W.F.
Scoggins, B.A., see Mason, R.T.
Scriabine, A., Watson, L.S., Ludden, C.T., Russo, H.F. and Bohidar, N.R. Studies on interaction of timolol, hydrochlorothiazide and amiloride in the rat 209
Sharma, G.P., see Rabkin, S.W.
Sharma, J.N., Zeitlin, I.J., Brooks, P.M., Buchanan, W.W. and Dick, W.C. The action of aspirin on plasma kinogen and other plasma protein in rheumatoid patients: relationship to disease activity 347
Shenfield, G.M., see Veroni, M.
Shintani, H., see Sugimoto, J.
Simons, L.A., see England, J.P.F.
Skews, H., see Esler, M.
Sokkar, S.M., see Atef, M.
Soltys, J.S., see Banks, R.A.
Sonkittiguna, P., Majewski, H. and Rand, M.J. Inhibition by hydralazine of the conversion of dopamine to noradrenaline in rat atria *in vitro* and *in vivo* 509
Stevens, M.J. and Moulds, R.F.W. Are neuronal uptake mechanisms responsible for the difference in sensitivity to noradrenaline between human arteries and veins 139
Stewart, K.W., see Mason, R.T.
Stoker, L.M., see Oates, H.F.
Stokes, G.S., Monaghan, J.C., MacCarthy, E.P. and Oates, H.F. Responsiveness of hypertensive subjects to prazosin 215

Stokes, G.S., see Oates, H.F.
Story, D.F., see Medgett, I.C.
Suggett, A.J., Mohammed, F.H. and Barer, G.R. Angiotensin, hypoxia, verapamil and pulmonary vessels
Sugimoto, J., Hanasaki, K. and Shintani, H. Influence of sodium and potassium ions on the contraction induced by calcium ions in guinea-pig isolated vas deferens
Sugimoto, J., Hanasaki, K., Takemoto, H. and Shintani, H. Influence of manganese ions on the contraction of the guinea-pig isolated vas defens 225
Szokol, M., see Schömig, A.

Takemoto, H., see Shintani, H.
Tan, G.J.S. Maintenance of pseudopregnancy by prolactin in indomethacin treated rats 335
Taira, N., see Satoh, K.
Talseth, T., McNay, J.L. and Clementi, W.A. Route and rate of hydrallazine administration as determinants to its hypotensive effect in rabbits 403
Thomas, M., Bourma, A.L.A. and Vijayakumar, R. Prostaglandin release by aliphatic alcohols from the rat isolated lung 373
Thomas, G.W., see Walker, R.G.
Tiller, D.J., see Horvath, J.S.
Tomita, T., see Kirkpatrick, C.T.
Tsoucaris-Kupfer, D. Bogaievsky, D. and Schmitt, H. Further investigations on the interaction between α-adrenoceptor antagonists and the central hypotensive effect of clonidine in rats, rabbits and dogs 355
Tunney, A., see Vandongen, R.
Tutton, P.J.M. and Barkla, D.H. The influence of dibutyryl adenosine cyclic monophosphate on cell proliferation in the epithelium of the jejunal crypts and in colonic carcinomata of rat

Vandongen, R., Barden, A. and Tunney, A. Effect of β-adrenoceptor blockade on the renin response to acute natriuresis 579
Vandongen, R. and Tunney, A. Renin secretion and renal vascular resistance following prolonged administration of desoxycorticosterone (DOC) in rats drinking normal saline 391
Veroni, M. and Shenfield, G.M. The effects of thyroid status on digoxin distribution in the rat 159
Vijayakumar, R., see Thomas, M.
Vlachakis, N.D., see De Guia, D.

Wai, M-K., see Wong, C-L.
Walker, R.G., Yeung, C.K., Hua, A.S.P., Thomas, G.W., Whitworth, J.A. and Kincaid-Smith, P. Tienilic acid in the treatment of mild to moderate hypertension 473
Waller, P.C., see Atkins, D.
Walter, N.M.A., Whitworth, J.A. and Kincaid-Smith, P. Captopril in mild and severe hypertension 477
Wambebe, C., see Osuide, G.

Watson, L.S., see Scriabine, A.
Watson, R.D.S., Littler, W.A. and Eriksson, B-M. Changes in plasma noradrenaline and adrenaline during isometric exercise 399
Whelan, G. The influence of diethyl maleate on the biliary excretion of infused sulphobromophtalein sodium and its glutathione conjugate in guinea-pigs 535
Whitworth, J.A., see Coghlan, J.P.
Whitworth, J.A., see Graham, W.F.
Whitworth, J.A., see Walker, R.G.
Whitworth, J.A., see Walter, N.M.A.
Wiley, J.S., Hutchinson, J.S., Mendelsohn, F.A.O. and Doyle, A.E. Increased sodium permeability of erythrocytes in spontaneously hypertensive rats 527
Winkler, K., see Bass, L.
Wong, C.-L., Wai, M-K. and Roberts, M.B. Preliminary studies on increased naloxone potency and its relationship to morphine tolerance and dependence in mice

Yanagisawa, T., see Satoh, K.
Yeung, C.K., see Walker, R.G.

Zanchetti, A., see Ludbrook, J.
Zeitlin, I.J., see Sharma, J.N.